

SEQUENCE LISTING

<110> Agrinomics LLC

<120> GENERATION OF PLANTS WITH ALTERED OIL CONTENT

<130> 6616-71303-07

<150> PCT/US2003/040987

<151> 2003-12-18

<150> 60/434,601

<151> 2002-12-18

<160> 2

<170> PatentIn version 3.2

<210> 1

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<212> DNA

<213> Arabidopsis thaliana

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<400> 2

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Asp Pro Arg Ile Asp Lys Leu Pro Tyr Ser Ile Arg Ile Leu Leu Glu
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Ser Ala Ile Arg Asn Cys Asp Glu Phe Gln Val Lys Ser Lys Asp Val
50          55          60

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Glu Lys Ile Leu Asp Trp Glu Asn Thr Ser Pro Lys Gln Val Glu Ile
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Pro Phe Lys Pro Ala Arg Val Leu Leu Gln Asp Phe Thr Gly Val Pro
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Ala Val Val Asp Leu Ala Cys Met Arg Asp Ala Met Asn Asn Leu Gly
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Gly Asp Ser Asn Lys Ile Asn Pro Leu Val Pro Val Asp Leu Val Ile
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Gly	Ser	Gly	Ile	Val	His	Gln	Val	Asn	Leu	Glu	Tyr	Leu	Ala	Arg	Val	180	185	190
Val	Phe	Asn	Thr	Asn	Gly	Leu	Leu	Tyr	Pro	Asp	Ser	Val	Val	Gly	Thr	195	200	205
Asp	Ser	His	Thr	Thr	Met	Ile	Asp	Gly	Leu	Gly	Val	Ala	Gly	Trp	Gly	210	215	220
Val	Gly	Gly	Ile	Glu	Ala	Glu	Ala	Thr	Met	Leu	Gly	Gln	Pro	Met	Ser	225	230	235
Met	Val	Leu	Pro	Gly	Val	Val	Gly	Phe	Lys	Leu	Thr	Gly	Lys	Leu	Arg	245	250	255
Asp	Gly	Met	Thr	Ala	Thr	Asp	Leu	Val	Leu	Thr	Val	Thr	Gln	Met	Leu	260	265	270
Arg	Lys	His	Gly	Val	Val	Gly	Lys	Phe	Val	Glu	Phe	His	Gly	Glu	Gly	275	280	285
Met	Arg	Glu	Leu	Ser	Leu	Ala	Asp	Arg	Ala	Thr	Ile	Ala	Asn	Met	Ser	290	295	300
Pro	Glu	Tyr	Gly	Ala	Thr	Met	Gly	Phe	Phe	Pro	Val	Asp	His	Val	Thr	305	310	315
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Pro Glu Ser Lys Thr Val Tyr Ser Ser Cys Leu Glu Leu Asn Leu Glu
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Asp Val Glu Pro Cys Val Ser Gly Pro Lys Arg Pro His Asp Arg Val
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Pro Leu Lys Glu Met Lys Ala Asp Trp His Ser Cys Leu Asp Asn Arg
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Val Gly Phe Lys Gly Phe Ala Val Pro Lys Glu Ala Gln Ser Lys Ala
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Val Glu Phe Asn Phe Asn Gly Thr Thr Ala Gln Leu Arg His Gly Asp
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Val Val Ile Ala Ala Ile Thr Ser Cys Thr Asn Thr Ser Asn Pro Ser
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Val Met Leu Gly Ala Ala Leu Val Ala Lys Lys Ala Cys Asp Leu Gly
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Leu Glu Val Lys Pro Trp Ile Lys Thr Ser Leu Ala Pro Gly Ser Gly
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Val Val Thr Lys Tyr Leu Ala Lys Ser Gly Leu Gln Lys Tyr Leu Asn
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Gln Leu Gly Phe Ser Ile Val Gly Tyr Gly Cys Thr Thr Cys Ile Gly
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Asn Ser Gly Asp Ile His Glu Ala Val Ala Ser Ala Ile Val Asp Asn
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Asp Leu Val Ala Ser Ala Val Leu Ser Gly Asn Arg Asn Phe Glu Gly
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Arg Val His Pro Leu Thr Arg Ala Asn Tyr Leu Ala Ser Pro Pro Leu
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Val Val Ala Tyr Ala Leu Ala Gly Thr Val Asp Ile Asp Phe Glu Thr
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Gln Pro Ile Gly Thr Gly Lys Asp Gly Lys Gln Ile Phe Phe Arg Asp

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Gly Leu Thr Gly Gln Glu Leu Tyr Thr Ile Glu Leu Pro Asn Asn Val
835 840 845

Ser Glu Ile Lys Pro Gly Gln Asp Val Thr Val Val Thr Asn Asn Gly
850 855 860

Lys Ser Phe Thr Cys Thr Leu Arg Phe Asp Thr Glu Val Glu Leu Ala
865 870 875 880

Tyr Phe Asp His Gly Gly Ile Leu Gln Tyr Val Ile Arg Asn Leu Ile
885 890 895

Lys Gln